

IN THE CLAIMS

Please amend the claims as follows:

1. (original) An electronic circuit comprising control means (CMNS) for controlling a coil current (IL) through a coil (L) for the generation of a magnetic field (H), a data control circuit (DSS) coupled to the control means (CMNS) for supplying data (DS) to the control means (CMNS), wherein the control means (CMNS) comprise detection means (DMNS) for determining a parameter which is a measure for the resistance value (RL) of the coil (L) and for supplying a temperature stop signal (TSTP) for at least temporarily stopping the supply of data (DS) to the control means (CMNS) when said parameter has exceeded a given value.

2.(original) An electronic circuit as claimed in claim 1, characterized in that the electronic circuit further comprises time indicator means for determining a time indication relative to the moment the temporary stopping of the supply of data (DS) to the control means (CMNS) was last lifted, said time indication serving as a measure for determining how long the next temporary stopping is to last.

3.(original) An electronic circuit as claimed in claim 2, characterized in that only the time period during which the data control circuit (DSS) supplies data (DS) to the control means (CMNS) is taken into account in the determination of said time indication.

4.(original) An electronic circuit as claimed in claim 2, characterized in that the time period during which the data control

circuit (DSS) supplies no data (DS) to the control means (CMNS) is subtracted in the determination of said time indication.

5.(original) An electronic circuit as claimed in claim 4, characterized in that the electronic circuit further comprises data detection means (DDT) for supplying a data presence signal (D), and a processor (PR) for receiving the data presence signal (D) and for receiving the temperature stop signal (TSTP), and in that during operation the processor (PR) supplies a stop data signal (SPD) through processing of the data presence signal (D) and the temperature stop signal (TSTP) and through interaction with the time indicator means, wherein said time indicator means comprise a counter (T) for generating a number which is incremented (decremented) for each clock unit during which data (DS) are supplied to the control means (CMNS) and which is decremented (incremented) for each clock unit during which no data (DS) are supplied to the control means (CMNS) while the temperature stop signal (TSTP) is absent, and which number is decremented (incremented) when the temperature stop signal (TSTP) is given to the data control circuit (DSS) until the number is equal to a reference number, whereupon the stop data signal (SPD) is lifted.

6.(currently amended) An electronic circuit as claimed in ~~any one of the preceding claims~~ claim 1, characterized in that the coil (L) is a thin-film coil.

7.(currently amended) An appliance (A) comprising an electronic circuit as defined in ~~any one of the preceding claims~~ claim 1.

8.(currently amended) A magneto-optical disc recording/playback appliance (A) comprising an electronic circuit as defined in claim ~~1, 2, 3, 4, 5, or 6.~~

9.(original) A method of controlling a coil current through a coil, wherein a parameter is determined which is a measure for the resistance value of the coil, wherein the coil current is controlled by means of data which are supplied by a data control circuit, and wherein a stop data signal is supplied to the data control circuit for at least temporarily stopping the control of the coil current when the parameter exceeds a certain value.